

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
MASTER OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING
BS/MS CURRICULUM OUTLINE - CLASS OF 2012,2013,2014, 2015, 2016

	FALL			SPRING			SUMMER 1		SUMMER 2	
Year 1	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4	Vacation	Vacation		
	CHEM1151	General Chem for Engrs.	4	PHYS1151	Physics 1 for Engrs.	4				
	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1				
	GE1000	Intro to Eng'g.	1	PHYS1153	ILS for PHYS1151	0				
	GE1110	Eng'g. Design	4	GE1111	Eng'g. Prob. Solv. & Comp.	4				
	NU Core	Arts Lvl. 1 OR Hum. Lvl. 1	4	ENGL1111	College Writing	4				
Year 2 BB	MATH2341	Diff. Eq./Lin. Alg.	4	Co-op	Co-op	Co-op	Co-op	NU Core	Social Science	4
	PHYS1155	Physics 2 for Engrs.	4					Elective	General Elective 1	4
	PHYS1156	Physics 2 Lab	1							
	PHYS1157	ILS for PHYS1155	0							
	CS1500	Algorithms & DS	4							
	CS1501	Lab for CS1500	1							
	EECE2000	Intro to Eng'g. Coop	1							
	EECE2410	Circuits	4							
EECE2411	Intro to ECE Lab	1								
Year 3 BB	MATH2310	Discrete Math	4	Co-op	Co-op	Co-op	Co-op	MATH3081	Probability & Stats.	4
	EECE2322	Digital Logic Design	4					Elective	General Elective 2	4
	EECE2323	Lab for EECE2322	1							
	EECE2412	Electronics 1	4							
	EECE2413	Lab for EECE2412	1							
	EECE3326	Optimization Methods	4							
Year 4 BB	EECE3000	Prof. Issues in Eng'g.	1	Elective	EECE Technical Elective 1	4	EECE4790	Capstone Design 1	4	Vacation
	EECE3324	Computer Architecture	4	EECExxxx	Graduate Course	4	Elective	EECE Technical	4	
	EECE4628	Computer Networks	4	EECExxxx	Graduate Course	4	Elective 2			
	EECE4629	Internetwrkg. Des. Lab	1	*ENGL 3302	Adv. Writing for Prof.	4				
	EECExxxx	Graduate Course	4							
	EECExxxx	Graduate Course	4							
Year 5 BB	Elective	EECE Technical Elective 3	4	EECE4792	Capstone Design 2	4				
	EECExxxx	Graduate Course	4	Elective	EECE Technical Elective 4	4				
	EECExxxx	Graduate Course	4	EECExxxx	Graduate Course	4				
	Elective	General Elective 3	4	EECExxxx	Graduate Course	4				

*ENGL3301 is an acceptable substitution for engineering majors.

Revised 6/2011

NU Core Elective Requirements: 2 required- (one Arts Lvl 1 OR one Humanities Lvl 1) AND (one Social Science Lvl 1)

Technical Elective Requirements: 3 required - Any EECE course that is not required for your major program of study will satisfy this requirement.

List of EECE Technical Electives: EECE3324 TO EECE3392, EECE4512 TO EECE4538, EECE4574 TO EECE4698, EECE5000 TO EECE5999, ENGR5670

General Elective Requirements: 3 required - Any 4 SH course that is not remedial or repetitive.

EECE Graduate Electives: 8 required (must include 2 core courses). Full program must be approved by a graduate advisor.

Electives may be interchanged. Please consult with your advisor: Ellen Zierk - 404 Dana 617-373-2165 ezierk@ece.neu.edu